

B. Rourke & Co. Ltd.

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Wrought Ironsmiths of Distinction

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B ROURKE 'VINYLAST'[®] PRODUCT DATA SHEET

INTENDED USE

A rapid drying, non-convertible coating for application to ferrous and non-ferrous, decorative and structural metalwork where a high level of corrosion resistance is required. It may also be used as a primer/finish for most adequately prepared substrates, exhibiting good adhesion to well prepared galvanised steel surfaces (see Suitable Substrates and Preparation).

CHARACTERISTICS

- * Quick drying by solvent evaporation gives tack free time of 20 minutes
- * Ideally suited to airless spray application
- * Non-sag properties allow good film build to 75 microns d.f.t.
- * For exterior exposure a minimum dry film thickness of 75 microns is recommended. (We recommend 120 microns d.f.t. in salt water/coastal conditions)
- * Can be applied down to 5 degrees centigrade
- * Tough, flexible film, resistant to aqueous chemicals
- * Excellent adhesion to hot-dipped galvanised ironwork
- * Much less maintenance - re-painting intervals should be doubled
- * Only one coat needed when re-painting
- * Full colour range available to order
- * Suitable for aluminium surface

SUITABLE SUBSTRATES AND PREPARATION

Surfaces must be dry, sound and free from dirt, rust and grease. Steel surfaces should be preferably blast cleaned to BS4232 2nd Quality or wire brushed to Swedish Standard SIS055900St2. Galvanised steel should be free of white rust (zinc corrosion deposits) and if previously weathered should be washed with copious quantities of water to remove soluble salts. Galvanised steel, that has been oiled should be thoroughly cleaned to remove all traces of oil prior to coating. Heavily chromated galvanised steel should be alkali cleaned to remove the chromate passivation. Bright spangled galvanised steel will require pre-treatment with B Rourke Wash Primer or Protection Mordant Solution before application of B Rourke 'Vinylast'[®].

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AVAILABILITY

A low satin finish available in standard colours from stock in 1 ltr to 20 ltr containers. Most special colours are available to order.


PRODUCT INFORMATION (Typical figures)


Composition Based on modified vinyl resin, pigmented with suitably selected pigments and zinc phosphate anticorrosive pigment
Volume solids 32% (for white)
VOC Content ~~590~~ gm/litre
Supply Viscosity 5 poise at 20 degrees centigrade
Typical Film thickness 235 microns wet and 75 microns dry

Coverage Theoretical coverage is 4 sq.mtrs/ltr at 235 microns wet film thickness.
The spreading rate of this product will vary considerably depending on the method of application and the roughness and porosity of the surface. In practice, this figure may be reduced by up to 40%. For further information ask for information sheet.

Dry heat resistance 60 degrees centigrade

APPLICATION DETAILS Preferably bring paint to 15-20 degrees centigrade. Stir well before use.

 Airless spray(cold) Up to 5% thinners may be added to suit equipment. Typical tip size 18-21 thous. or 0.46 - 0.53 mm.
Typical fluid pressure 200kg/sq. metre or 2800 p.s.i.

 Conventional spray Up to 15% thinners may be added to suit equipment but a lower film thickness will be achieved.

Brush/Roller Apply evenly using a well-loaded brush. Do not attempt to brush out or lay off.

Thinner Fast Flash Thinner is recommended for spraying and cleaning.
Available from B Rourke & Co Ltd.

Film thickness per coat	<u>Dry</u>	<u>Wet</u>
Minimum	25 microns	80 microns
Maximum	75 microns	240 microns

DRYING AND RECOATING Approximate drying times at 40 microns d.f.t.

Substrate temperature	Touch Dry	Dry to Handle	Overcoating Times	
			Minimum	Maximum
10 degrees centigrade	45 mins	2 hours	2 hours	indefinite
20 degrees centigrade	20 mins	1 hour	1 hour	indefinite

Environmental Conditions The air temperature should be at least 5 degrees centigrade with a surface temperature of 3 degrees centigrade above dew point and the relative humidity below 90%, thus ensuring that the surface is dry and that condensation will not occur during application or drying. The drying times will be significantly extended in cold, damp conditions.

Overcoating/
Repainting For exterior application a minimum dry film thickness of 75 microns (120 microns d.f.t. in salt water conditions) must be achieved by applying further coats of B Rourke 'Vinylast'[®]

STORAGE, HANDLING AND TRANSPORTATION

Storage	Store in cool, dry conditions, typically 5-25 degrees centigrade, according to the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations.	
Shelf Life	After a period of storage the product should be thoroughly stirred. Usable life 1 year from date of manufacture in unopened containers, protected from heat.	
Specific Gravity	1.2 kg/litre	
Flash Point	Within the range of 21-31 degrees centigrade	
Transport Regulations	UN 1263 Packing Group III	IMDG Class and Division : 3.3 ADR; Class 3 item 31 degrees (c)
Safety Precautions	HARMFUL : contains xylene. Some colours may contain lead (see label for details). FLAMMABLE: Flash point in the range of 21-31 degrees centigrade. REFER TO THE B ROURKE HEALTH AND SAFETY DATA SHEET.	

VINYLAST[®]

Reference No SPYVHB-ISSUED 8/98

THIS DATA SHEET SUPERCEDES ALL PREVIOUS ISSUES

The information given in this data sheet is based on experience and is accurate to the best of our knowledge. No guarantee should be implied, however, since the conditions of use are beyond our control. This data sheet does not constitute a specification. In case of doubt as to the suitability of the product, please contact our Technical Services Department. Please use in conjunction with your client's specifications.